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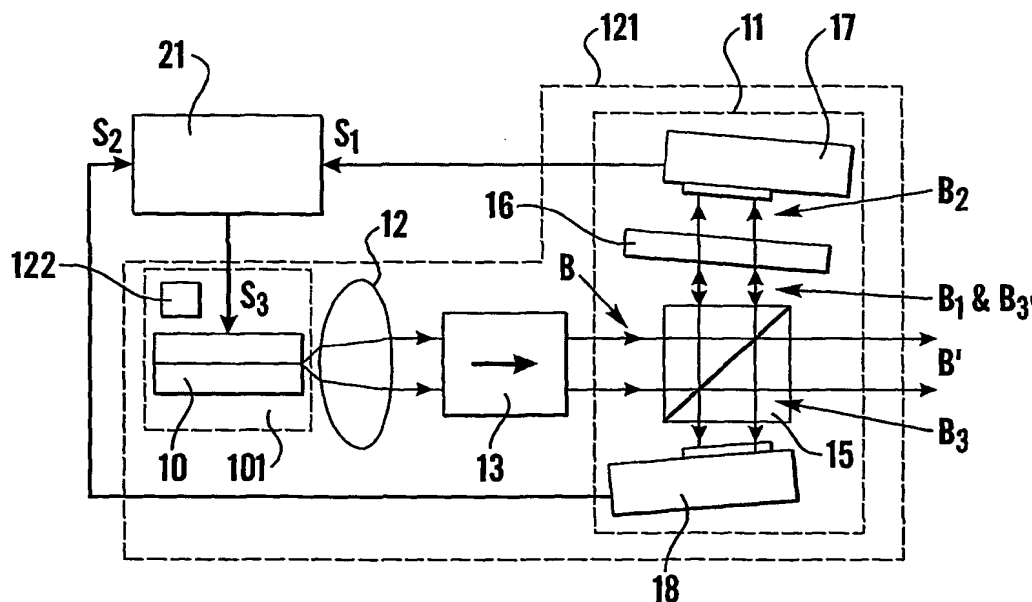
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(54) Title: WAVELENGTH LOCKER COMPRISING A DIAMOND ETALON



(57) Abstract: A wavelength locker for locking the wavelength of a light beam substantially to a predetermined wavelength comprises at least one Fabry-Perot etalon arranged to receive a sample portion of the light beam and to produce at least one output light beam therefrom, the intensity of which is dependent upon the wavelength of the sample light beam, the Fabry-Perot etalon comprising diamond. Preferably the diamond etalon is a single crystal synthetic diamond having highly polished input and output faces without any reflective coatings.

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